

AI Inference / DeviceEdge

Jetson System AIE-KO21/AIE-KO31 AIE-KN31/AIE-KN41



*Preliminary

Features

- Supports NVIDIA® Jetson Orin™ NX /Orin Nano™ module
- Specifically designed for mainstream and entry-level edge AI computing
- Real-time monitoring for status of device via EdgeEye

Specifications

Model Number	AIE-KO21 / AIE-KO31	AIE-KN31 / AIE-KN41
Module Compatibility	Nvidia Jetson ORIN NANO 4G / 8G	Nvidia Jetson ORIN NX 8G / 16G
Storage	128GB M.2 2242 NVMe PCIe SSD	
Display	1 x HDMI Type A	
Audio	Line-out/Line-in/Mic (opt. with Daughter Board)	
LAN	1 x RJ-45 GbE Port	
USB	2 x USB 3.2 Gen2 Type A 1 x USB2.0 Type-C (OTG Only)	
I/O Interfaces	5 x GPIO, 1 x I2C, 1 x RS-232, 1 x UART1, 1 x UART3 (Debug Only), 1 x CAN (Isolation)	
Expansion	1 x M.2 E-Key 2230 (PCIe/USB2.0) : Wifi/BT Function 1 x M.2 M-Key 2242 : Nvme 128G SSD (Build-in)	
MISC. Function	1 x Power Button, 1 x Recovery Button, 1 x Reset Button	
Power Input /Connector	DC-in 12 to 24 VDC / 2-pin terminal block	
Dimension(Wx Dx H)	TBD	
Mounting	Din Rail / Wall Mount	
Net Weight	TBD	
Temperature	Operating Temp.: -25°C ~ + 70°C / Storage Temp.: -25°C ~ + 85	
Humidity	95% @ 40°C Related Humidity, Non-condensing	
Certification	CE/FCC Class A, IEC 62368	

Ordering Information

Model name	Description
AIE-KO21-1-A1	AIE-KO21 w/ ORIN NANO 4G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C
AIE-KO31-1-A1	AIE-KO31 w/ ORIN NANO 8G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C
AIE-KN31-1-A1	AIE-KN31 w/ ORIN NX 8G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C
AIE-KN41-1-A1	AIE-KN41 w/ ORIN NX 16G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C

Accessory (Optional)

Part No.	Description
55-AAN110-Z000	AN110 DIN RAIL KIT ASSY

